

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 26990WO-58	FOR FURTHER ACTION	See item 4 below
International application No. PCT/CH2004/000524	International filing date (day/month/year) 20 August 2004 (20.08.2004)	Priority date (day/month/year) 01 September 2003 (01.09.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant MIXPAC SYSTEMS AG		

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1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).
2. This REPORT consists of a total of 10 sheets, including this cover sheet.
- In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Box No. I | Basis of the report |
| <input checked="" type="checkbox"/> Box No. II | Priority |
| <input checked="" type="checkbox"/> Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input checked="" type="checkbox"/> Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> Box No. VI | Certain documents cited |
| <input type="checkbox"/> Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> Box No. VIII | Certain observations on the international application |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Date of issuance of this report 03 July 2006 (03.07.2006)
Facsimile No. +41 22 338 82 70	Authorized officer Yolaine Cussac e-mail: pt11@wipo.int

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PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

Translation

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing (day/month/year) **See form PCT/ISA/210**

Applicant's or agent's file reference

26990WO-58

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/CH2004/000524

International filing date (day/month/year)

20.08.2004

Priority date (day/month/year)

01.09.2003

International Patent Classification (IPC) or both national classification and IPC

B65D39/16, B65D41/28

Applicant

MIXPAC SYSTEMS AG

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☒ Box No. II Priority
- ☒ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☒ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/EP

Authorized officer

Facsimile No.

Telephone No.

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/CH2004/000524

Box No. I

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/CH2004/000524

Box No. II

Priority

1. ☒ The following document has not yet been furnished:

☒ copy of the earlier application whose priority has been claimed (Rule 43*bis*.1 and 66.7(a)).

☐ translation of the earlier application whose priority has been claimed (Rule 43*bis*.1 and 66.7(b)).

Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date in the claimed priority date.

2. ☐ This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43*bis*.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.

3. Additional observations, if necessary:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/CH2004/000524

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application

☒ claims Nos. 12, 13

because:

☐ the said international application, or the said claims Nos. _____
relate to the following subject matter which does not require an international preliminary examination (*specify*):

☐ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. _____
are so unclear that no meaningful opinion could be formed (*specify*):

☐ the claims, or said claims Nos. _____ are so inadequately supported
by the description that no meaningful opinion could be formed.

☒ no international search report has been established for said claims Nos. 12, 13

☐ the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:

the written form

☐ has not been furnished

☐ does not comply with the standard

the computer readable form

☐ has not been furnished

☐ does not comply with the standard

☐ the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.

☐ See Supplemental Box for further details.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CH2004/000524

Box No. IV Lack of unity of invention

1. ☒ In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:
- ☐ paid additional fees
- ☐ paid additional fees under protest
- ☒ not paid additional fees
2. ☐ This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
- ☐ complied with
- ☒ not complied with for the following reasons:
- see supplemental sheet
4. Consequently, this opinion has been established in respect of the following parts of the international application:
- ☐ all parts
- ☒ the parts relating to claims Nos. 1-11

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CH2004/000524

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-11</u>	YES
	Claims	_____	NO
Inventive step (IS)	Claims	<u>2, 6, 7, 9, 10</u>	YES
	Claims	<u>1, 3-5, 8, 11</u>	NO
Industrial applicability (IA)	Claims	<u>1-11</u>	YES
	Claims	_____	NO

2. Citations and explanations:

1 This opinion makes reference to the following documents:

D1: US 5 137 182 A

D2: US 5 320 233 A

D3: US 5 423 443 A

2 INDEPENDENT CLAIM 1

The present application does not meet the requirements of PCT Article 33(1), since the subject matter of claim 1 does not involve an inventive step within the meaning of PCT Article 33(3).

2.1 Document D1 is considered to be the closest prior art with respect to the subject matter of claim 1. It discloses (the references between parentheses relate to this document) a dispensing device, from which the subject matter of claim 1 differs in the cooperating means.

2.2 The problem addressed by the present invention can therefore be considered that of being able to remove the plug more easily.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CH2004/000524

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

2.3 The solution proposed in claim 1 of the present application cannot be regarded as involving an inventive step (PCT Article 33(3)) for the following reasons:

It is known from D2 to use cooperating means in order to forcibly move a bayonet lock vertically.

A person skilled in the art would therefore adapt such means in the seal according to D1 in order to solve the problem of interest, without thereby being inventive. The solution proposed in independent claim 1 therefore cannot be regarded as involving an inventive step (PCT Article 33(3)).

3 DEPENDENT CLAIMS 3-5, 8, 11

Claims 3-5, 8, 11 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT requirements for inventive step.

4 DEPENDENT CLAIMS 2, 6, 7, 9, 10

4.1 The means mentioned in claims 2 and 6 are neither known from nor suggested by the prior art. Therefore the subject matter of these claims meets the PCT criteria with regard to novelty and inventive step.

4.2 Since claim 7 refers back to claim 6, and claim 9 refers back to claim 2 (on account of the withdrawal and tightening bevels which are first mentioned in claim 2), their subject matter also meets these criteria.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CH2004/000524

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

4.3 Sloping centring ribs are neither known from nor suggested by the prior art. The subject matter of claim 10 therefore meets the PCT criteria with regard to novelty and inventive step.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Box IV

The various inventions are:

Claims 1-11

Dispensing device comprising a sealing plug and a locking ring having cooperating means in order to lift or press in the sealing plug.

Claims 12, 13

Dispensing device comprising a sealing plug and a locking ring having means for fastening the plug in the ring.

These inventions are not linked so as to form a single general inventive concept (PCT Rule 13.1), for the following reasons:

There are the following general features between independent claims 1 and 12:

Dispensing device comprising a sealing plug and a locking ring, the plug and the ring having cooperating means.

These features are already known (cf., e.g., US 5 137 182) and are therefore not special technical features (PCT Rule 13.2).

The problem to be solved by the remaining features of claim 1 is to facilitate the mounting and removal of the seal. The problem to be solved by the remaining features of claim 12 is to fasten the plug in the ring. Since these features solve different problems, they are not corresponding features.

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
10. März 2005 (10.03.2005)

PCT

(10) Internationale Veröffentlichungsnummer
WO 2005/021394 A3

(51) Internationale Patentklassifikation⁷: **B65D 39/16,**
41/28

(21) Internationales Aktenzeichen: PCT/CH2004/000524

(22) Internationales Anmeldedatum:
20. August 2004 (20.08.2004)

(25) Einreichungssprache: Deutsch

(26) Veröffentlichungssprache: Deutsch

(30) Angaben zur Priorität:
01498/03 1. September 2003 (01.09.2003) CH

(71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme von
US): MIXPAC SYSTEMS AG [CH/CH]; Grundstrasse
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(72) Erfinder; und

(75) Erfinder/Anmelder (nur für US): KELLER, Wilhelm

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(CH).

(74) Anwalt: AMMANN PATENTANWÄLTE AG BERN;
Schwarztorstrasse 31, CH-3001 Bern (CH).

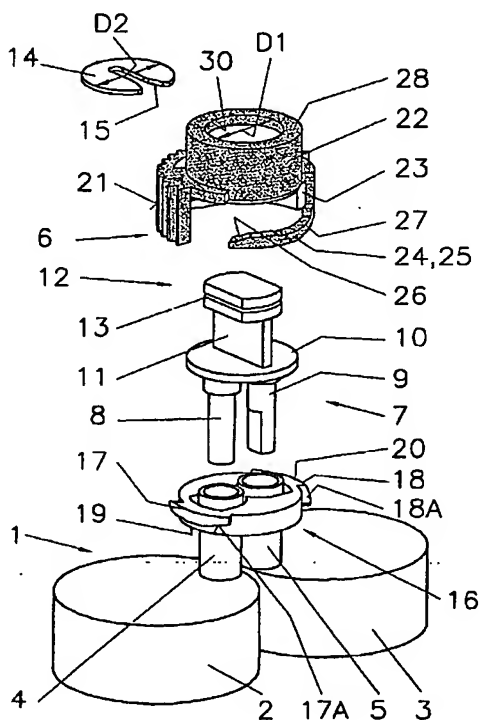
(81) Bestimmungsstaaten (soweit nicht anders angegeben, für
jede verfügbare nationale Schutzrechtsart): AE, AG, AL,
AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES,
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Bestimmungsstaaten (soweit nicht anders angegeben, für
jede verfügbare regionale Schutzrechtsart): ARIPO (BW,

[Fortsetzung auf der nächsten Seite]

(54) Title: DISPENSING DEVICE COMPRISING A SEALING PLUG AND LOCKING RING WITH BAYONET CONNECT-
ING MEANS

(54) Bezeichnung: AUSTRAGVORRICHTUNG MIT VERSCHLUSSSTOPFEN UND VERRIEGELUNGSRING MIT BAJO-
NETT-ANSCHLUSSMITTELN



(57) Abstract: The invention relates to a dispensing device, for ex-
ample, a double cartridge (1), comprising a sealing plug and a locking
ring with bayonet connecting means. The sealing plug (7), the outer
surfaces of the cartridge outlets (4, 5) and the wall interior of the lock-
ing ring (6) comprise means (17, 26; 18, 27), which cooperate with one
another, in order to, when turning the locking ring, press the sealing
plug into the outlets or pull it out therefrom. This makes it possible to
realize a tight closure on the one hand, and on the other, it is very easy
to pull the tight-fitting sealing plug out again.

(57) Zusammenfassung: Bei der Austragvorrichtung, vorzugsweise
eine Doppelkartusche (1), mit Verschlussstopfen und Verriegelungsring
mit Bajonett-Anschlussmitteln weisen der Verschlussstopfen (7), die
Aussenflächen der Kartuschenauslässe (4, 5) und das Wandinnere des
Verriegelungsringes (6) miteinander kooperierende Mittel (17, 26; 18,
27) auf, um beim Drehen des Verriegelungsringes den Verschlussstop-
fen in die Auslässe zu pressen oder aus den Auslässen herauszuziehen.
Dadurch lässt sich einerseits ein dichter Verschluss verwirklichen und
andererseits ist es dadurch sehr einfach, den fest sitzenden Verschluss-
stopfen wieder herauszuziehen.

WO 2005/021394 A3



GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), eurasisches (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), europäisches (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Veröffentlicht:

— mit internationalem Recherchenbericht

(88) Veröffentlichungsdatum des internationalen

Recherchenberichts:

23. März 2006

Zur Erklärung der Zweibuchstaben-Codes und der anderen Abkürzungen wird auf die Erklärungen ("Guidance Notes on Codes and Abbreviations") am Anfang jeder regulären Ausgabe der PCT-Gazette verwiesen.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/CH2004/000524

A. CLASSIFICATION OF SUBJECT MATTER B65D39/16 B65D41/28		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B65D B05B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 137 182 A (KELLER WILHELM A) 11 August 1992 (1992-08-11) cited in the application column 4, line 57 - column 5, line 7; figure 7	1,3-5,8, 11
Y	US 5 320 233 A (WELCH BING) 14 June 1994 (1994-06-14) cited in the application column 4, line 48 - line 62; figures 1,5,6	1,3-5,8, 11
Y	US 5 423 443 A (KELLER WILHELM A) 13 June 1995 (1995-06-13) cited in the application figures 1-4	4,5
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 9 March 2005		Date of mailing of the international search report 14 03. 2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Bridault, A

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CH2004/000524

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see Supplemental Sheet .

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-11

Remark on Protest

☐
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, namely:

1. Claims: 1-11

Dispensing device with sealing plug and locking ring with co-operating means to lift off or press in the sealing plug.

2. Claims: 12, 13

Dispensing device with sealing plug and locking ring with means for securing the plug in the ring.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/CH2004/000524

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5137182	A	11-08-1992	DE	59008848 D1	11-05-1995
			EP	0431347 A1	12-06-1991
US 5320233	A	14-06-1994	AU	7869294 A	22-03-1995
			WO	9506599 A1	09-03-1995
US 5423443	A	13-06-1995	DE	59207260 D1	31-10-1996
			EP	0578897 A1	19-01-1994
			JP	6199351 A	19-07-1994

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INTERNATIONALER RECHERCHENBERICHT

Internationaler Aktenzeichen
PCT/CH2004/000524

A. KLASSTIFIZIERUNG DES ANMELDUNGSGEGENSTANDES
IPK 7 B65D39/16 B65D41/28

Nach der Internationalen Patentklassifikation (IPK) oder nach der nationalen Klassifikation und der IPK

B. RECHERCHIERTE GEBIETE

Recherchierte Mindestprüfstoff (Klassifikationssystem und Klassifikationssymbole)
IPK 7 B65D B05B

Recherchierte aber nicht zum Mindestprüfstoff gehörende Veröffentlichungen, soweit diese unter die recherchierten Gebiete fallen

Während der internationalen Recherche konsultierte elektronische Datenbank (Name der Datenbank und evtl. verwendete Suchbegriffe)

EPO-Internal

C. ALS WESENTLICH ANGESEHENE UNTERLAGEN

Kategorie*	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht kommenden Teile	Betr. Anspruch Nr.
Y	US 5 137 182 A (KELLER WILHELM A) 11. August 1992 (1992-08-11) in der Anmeldung erwähnt Spalte 4, Zeile 57 - Spalte 5, Zeile 7; Abbildung 7	1,3-5,8, 11
Y	US 5 320 233 A (WELCH BING) 14. Juni 1994 (1994-06-14) in der Anmeldung erwähnt Spalte 4, Zeile 48 - Zeile 62; Abbildungen 1,5,6	1,3-5,8, 11
Y	US 5 423 443 A (KELLER WILHELM A) 13. Juni 1995 (1995-06-13) in der Anmeldung erwähnt Abbildungen 1-4	4,5

☐ Weitere Veröffentlichungen sind der Fortsetzung von Feld C zu entnehmen

☒ Siehe Anhang Patentfamilie

* Besondere Kategorien von angegebenen Veröffentlichungen :

"A" Veröffentlichung, die den allgemeinen Stand der Technik definiert, aber nicht als besonders bedeutsam anzusehen ist

"E" älteres Dokument, das jedoch erst am oder nach dem internationalen Anmeldedatum veröffentlicht worden ist

"L" Veröffentlichung, die geeignet ist, einen Prioritätsanspruch zweifelhaft erscheinen zu lassen, oder durch die das Veröffentlichungsdatum einer anderen im Recherchenbericht genannten Veröffentlichung belegt werden soll oder die aus einem anderen besonderen Grund angegeben ist (wie ausgeführt)

"O" Veröffentlichung, die sich auf eine mündliche Offenbarung, eine Benutzung, eine Ausstellung oder andere Maßnahmen bezieht

"P" Veröffentlichung, die vor dem internationalen Anmeldedatum, aber nach dem beanspruchten Prioritätsdatum veröffentlicht worden ist

"T" Spätere Veröffentlichung, die nach dem internationalen Anmeldedatum oder dem Prioritätsdatum veröffentlicht worden ist und mit der Anmeldung nicht kollidiert, sondern nur zum Verständnis des der Erfindung zugrundeliegenden Prinzips oder der ihr zugrundeliegenden Theorie angegeben ist

"X" Veröffentlichung von besonderer Bedeutung; die beanspruchte Erfindung kann allein aufgrund dieser Veröffentlichung nicht als neu oder auf erfinderischer Tätigkeit beruhend betrachtet werden

"Y" Veröffentlichung von besonderer Bedeutung; die beanspruchte Erfindung kann nicht als auf erfinderischer Tätigkeit beruhend betrachtet werden, wenn die Veröffentlichung mit einer oder mehreren anderen Veröffentlichungen dieser Kategorie in Verbindung gebracht wird und diese Verbindung für einen Fachmann naheliegend ist

"&" Veröffentlichung, die Mitglied derselben Patentfamilie ist

Datum des Abschlusses der internationalen Recherche

9. März 2005

Absendedatum des internationalen Recherchenberichts

14.03.2005

Name und Postanschrift der Internationalen Recherchenbehörde
Europäisches Patentamt, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Bevollmächtigter Bediensteter

Bridault, A

INTERNATIONALER RECHERCHENBERICHT

Internationales Aktenzeichen
PCT/CH2004/000524

Feld II Bemerkungen zu den Ansprüchen, die sich als nicht recherchierbar erwiesen haben (Fortsetzung von Punkt 2 auf Blatt 1)

Gemäß Artikel 17(2)a wurde aus folgenden Gründen für bestimmte Ansprüche kein Recherchenbericht erstellt:

1. ☐ Ansprüche Nr. _____
weil sie sich auf Gegenstände beziehen, zu deren Recherche die Behörde nicht verpflichtet ist, nämlich _____
2. ☐ Ansprüche Nr. _____
weil sie sich auf Teile der internationalen Anmeldung beziehen, die den vorgeschriebenen Anforderungen so wenig entsprechen, daß eine sinnvolle internationale Recherche nicht durchgeführt werden kann, nämlich _____
3. ☐ Ansprüche Nr. _____
weil es sich dabei um abhängige Ansprüche handelt, die nicht entsprechend Satz 2 und 3 der Regel 6.4 a) abgefaßt sind.

Feld III Bemerkungen bei mangelnder Einheitlichkeit der Erfindung (Fortsetzung von Punkt 3 auf Blatt 1)

Die internationale Recherchenbehörde hat festgestellt, daß diese internationale Anmeldung mehrere Erfindungen enthält:

siehe Zusatzblatt

1. ☐ Da der Anmelder alle erforderlichen zusätzlichen Recherchegebühren rechtzeitig entrichtet hat, erstreckt sich dieser internationale Recherchenbericht auf alle recherchierbaren Ansprüche.
2. ☐ Da für alle recherchierbaren Ansprüche die Recherche ohne einen Arbeitsaufwand durchgeführt werden konnte, der eine zusätzliche Recherchegebühr gerechtfertigt hätte, hat die Behörde nicht zur Zahlung einer solchen Gebühr aufgefordert.
3. ☐ Da der Anmelder nur einige der erforderlichen zusätzlichen Recherchegebühren rechtzeitig entrichtet hat, erstreckt sich dieser internationale Recherchenbericht nur auf die Ansprüche, für die Gebühren entrichtet worden sind, nämlich auf die Ansprüche Nr. _____
4. ☒ Der Anmelder hat die erforderlichen zusätzlichen Recherchegebühren nicht rechtzeitig entrichtet. Der internationale Recherchenbericht beschränkt sich daher auf die in den Ansprüchen zuerst erwähnte Erfindung; diese ist in folgenden Ansprüchen erfaßt:
1-11

Bemerkungen hinsichtlich eines Widerspruchs

- ☐ Die zusätzlichen Gebühren wurden vom Anmelder unter Widerspruch gezahlt.
- ☐ Die Zahlung zusätzlicher Recherchegebühren erfolgte ohne Widerspruch.

WEITERE ANGABEN

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Die internationale Recherchenbehörde hat festgestellt, dass diese internationale Anmeldung mehrere (Gruppen von) Erfindungen enthält, nämlich:

1. Ansprüche: 1-11

Austragvorrichtung mit Verschlussstopfen und Verrigelungsring mit kooperierenden Mitteln um den Verschlussstopfen abzuheben oder hineinzudrücken.

2. Ansprüche: 12, 13

Austragvorrichtung mit Verschlussstopfen und Verrigelungsring mit Mitteln zur Befestigung des Stopfens im Ring.

INTERNATIONALER RECHERCHENBERICHT

Internationaler Aktenzeichen
PCT/CH2004/000524

Im Recherchenbericht angeführtes Patentdokument		Datum der Veröffentlichung	Mitglied(er) der Patentfamilie		Datum der Veröffentlichung
US 5137182	A	11-08-1992	DE	59008848 D1	11-05-1995
			EP	0431347 A1	12-06-1991

US 5320233	A	14-06-1994	AU	7869294 A	22-03-1995
			WO	9506599 A1	09-03-1995

US 5423443	A	13-06-1995	EP	0578897 A1	19-01-1994
			DE	59207260 D1	31-10-1996
			JP	6199351 A	19-07-1994
